## **EAST Search History**

## EAST Search History (Prior Art)

| Ref# | Hits | Search Query  | DBs   | Default<br>Operator | Plurals | Time Stamp          |
|------|------|---|---|---------------------|---------|---------------------|
| L1   | 2    | nickel oxide target<br>same sputter\$3<br>same magnetron      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | ON      | 2010/01/12<br>09:50 |
| L2   | 2    | nickel oxide target<br>same magnetron                         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | ON      | 2010/01/12<br>09:50 |
| L3   | 23   | nickel oxide with<br>target same<br>magnetron                 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | ON      | 2010/01/12<br>09:51 |
| L4   | 46   | nickel oxide with<br>target same magnet<br>\$3                | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | ON      | 2010/01/12<br>09:51 |
| L5   | 46   | nickel oxide with<br>target same magnet<br>\$3 and sputter\$3 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | ON      | 2010/01/12<br>09:51 |
| L9   | 52   | nickel oxide same<br>magnetron sputter<br>\$3                 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | ON      | 2010/01/12<br>10:13 |
| L10  | 28   | nickel oxide same<br>magnetron sputter<br>\$3 not "45"        | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | ON      | 2010/01/12<br>10:13 |

| L11 | 32  | nickel oxide same<br>magnetron sputter<br>\$3 not 5           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ |     | 2010/01/12<br>10:13 |
|-----|-----|---|---|-----|-----|---------------------|
| L12 | 7   | nickel oxide near3<br>target same<br>magnetron sputter<br>\$3 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2010/01/12<br>10:24 |
| L13 | 10  | nio near3 target<br>same magnetron<br>sputter\$3              | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2010/01/12<br>10:29 |
| L14 | 6   | 4961979"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2010/01/12<br>10:47 |
| S1  | 54  | nickel powder same<br>sputter\$3                              | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | MON | 2009/06/11<br>10:45 |
| S2  | 0   |   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2009/06/11<br>10:45 |
| S3  | 8   | nickel oxide near3<br>powder same sputter<br>\$3              | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2009/06/11<br>10:46 |
| S4  | 904 | 204/298.13.cds.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | ADJ | ON  | 2009/06/11<br>11:01 |

| S5  | 21   | S4 and powder with nickel  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DEFWENT;<br>IBM_TDB | ADJ | ON | 2009/06/11<br>11:01 |
|-----|------|--|---|-----|----|---------------------|
| S6  | 5    | powder metallurgy<br>same nickel oxide<br>and sputter\$3   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/11<br>11:40 |
| S7  | 2862 | powder same (nickel<br>oxide or NiO) same<br>(Nickel or Ni) same<br>mix\$4   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/11<br>11:48 |
| S8  | 217  | powder same (nickel<br>oxide or NiO) same<br>(Nickel or Ni) same<br>mix\$4 and sputter\$3  | US-PCPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/11<br>11:49 |
| S9  | 0    | nickel oxide target<br>same power<br>metallurgy  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/11<br>13:28 |
| S10 | 50   | (US-20050115828-\$ or US-20030031928-\$ or US-20030031928-\$ 20040253624-\$ or US-20090011403-\$ or US-2009011403-\$ or US-20040163445-\$ or US-20050077178-\$ or US-20050077178-\$ or US-20050021315-\$ or US-20020110330-\$ or US-20020110330-\$ or US-2002011030-\$ or US-20030059623-\$ or US-20030059623-\$ or US-20030064179-\$ or US-20030066177-\$ or US-200400407366-\$ or US-2004004067365-\$ or US-2004004067365-\$ or US-2004004067365-\$ or US-2004004067365-\$ | US PGPUB;<br>USPAT  | ADJ | ON | 2009/06/11<br>17:22 |

|     |    | \$ or US-20040119064-\$ or US-20040119064-\$ or US-20040160376-\$ or US-20040160376-\$ or US-20050029088-\$). did. or (US-630266-\$ or US-6428657-\$ or US-6428657-\$ or US-6428657-\$ or US-64231-\$ or US-5064734-\$ or US-5064734-\$ or US-5064734-\$ or US-5064734-\$ or US-5064734-\$ or US-5078259-\$ or US-6210991-\$ or US-6210991-\$ or US-52427993-\$ or US-52427993-\$ or US-52427993-\$ or US-5241098-\$ or US-6251098-\$ or US-6210981-\$ or US-6210991-\$ or US-7015118-\$ or US-701500-\$ or US-701500-\$ or US-7033048-\$ or US-7033048-\$ or US-7033586-\$ or US-7035859-\$ or US-7035859-\$ or US-7035859-\$ or US-7035859-\$ or US-7037738-\$ or US-7037738-\$ or US-7037738-\$ or US-7037738-\$ or US-7037738-\$ or US-704764273-\$ or US-7037738-\$ or US-704764273-\$ or US-7037738-\$ or US-704764273-\$ or US-7037738-\$ or US-7047644273-\$ or US-7037738-\$ or US-7047644273-\$ or US-704764273-\$ or US-7047644273-\$ or US-704764273-\$ or US-7047644773-\$ or US-704764273-\$ or US-704764273-\$ or US-704764273-\$ or US-704764273-\$ or US-70476477-\$ or US-704760-\$ or US-70476477-\$ or US-704760-\$ or US-70476477-\$ or US-704 |                    |     |    |            |
|-----|----|--|--------------------|-----|----|------------|
| S11 | 50 |  | US-PGPUB;<br>USPAT | ADJ | ON | 2009/06/11 |

|     |    | \$ or US-20030086217-\$ or US-20040048074-\$ or US-20040048074-\$ or US-20040067386-\$ or US-20040150867-\$ or US-20040150867-\$ or US-20040166376-\$ or US-6002080-\$. or US-6143141-\$ or US-6005318-\$ or US-6143141-\$ or US-6005318-\$ or US-6143141-\$ or US-60091-\$ or US-6143141-\$ or US-60091-\$ or US-61091-\$ or US-610991-\$ or US-7074260-\$ or US-7032686-\$ or US-703268-\$ or US-70326 |       |     |    |            |
|-----|----|---|-------|-----|----|------------|
| S12 | 50 | (US-4990234-\$ or US-4268369-\$ or US-5543183-\$ or US-5573839-\$ or US-5579938-\$ or US-579938-\$ or US-5417827-\$ or US-5460704-\$ or US-5656387-\$ or US-5695877-\$ or US-5871622-\$ or US-5879524-\$ or US-5948921-\$ or US-5948921-\$ or US-5948921-\$ or US-  | USPAT | ADJ | ON | 2009/06/11 |

| 513 | 50 | 6139969-\$ or US- 4022947-\$ or US- 4022947-\$ or US- 4331476-\$ or US- 4760369-\$ or US- 4760369-\$ or US- 4803130-\$ or US- 4803133-\$ or US- 4830133-\$ or US- 4830133-\$ or US- 4839772-\$ or US- 48987712-\$ or US- 4989773-\$ or US- 4964963-\$ or US- 496593-\$ or US- 5206216-\$ or US- 5206216-\$ or US- 5206216-\$ or US- 52082987-\$ or US- 5217589-\$ or US- 5298087-\$ or US- 5372685-\$ or US- 5372685-\$ or US- 5372685-\$ or US- 5447910-\$ or US- 5667658-\$ or US- 5667658-\$ or US- 5607638-\$ or US- 5602077-\$ or US- 602077-\$ or US- 6021519-\$). did.  S10 or S12 with (nickel oxide) | US-PCPUB;<br>USPAT;<br>USPAT;   | ADJ                                     | ON                                      | 2009/06/11<br>17:23                     |
|-----|----|---|---|---|---|---|
|     |    |   | USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB                        | *************************************** | *************************************** | *************************************** |
| 514 | 0  | (S10 or S12) with<br>(nickel oxide)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | ADJ                                     | ON                                      | 2009/06/11<br>17:23                     |

| <b>S</b> 15 | 100   | S10 or S12   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | MADJ | <b>0</b> | 2009/06/11<br>17:23 |
|-------------|-------|--|---|------|----------|---------------------|
| S16         | 35    | S15 and nickel oxide   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ  | ON       | 2009/06/11<br>17:24 |
| S17         | 1     | S15 and nickel oxide<br>same powder  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ  | SON      | 2009/06/11<br>17:24 |
| S18         | 24    | S15 and nickel oxide same target   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ  | ON       | 2009/06/11<br>17:24 |
| S19         | 15975 | S15 and "nickel<br>oxide" or "NiO"<br>same nickel or ni<br>same target             | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ  | ON       | 2009/06/11<br>17:29 |
| S20         | 25    | S15 and ("nickel<br>oxide" or "NiO")<br>same (nickel or ni)<br>same target         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ  | orion    | 2009/06/11<br>17:30 |
| S21         | 1     | S15 and ("nickel<br>oxide" or "NiO")<br>same (nickel or ni)<br>same target not S18 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ  | ON       | 2009/06/11<br>17:30 |
| S22         | 5     | nickel oxide target<br>with oxygen   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ  | ON       | 2009/06/12<br>08:55 |

| S23 | 47  | nickel oxide with target with oxygen               | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ##ADJ |    | 2009/06/12<br>08:56 |
|-----|-----|--|---|-------|----|---------------------|
| S24 | 42  | nickel oxide with<br>target with oxygen<br>not S22 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON | 2009/06/12<br>08:56 |
| S25 | 4   | "01256036"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON | 2009/06/12<br>09:02 |
| S26 | 42  | NiO with target with oxygen not S22                | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON | 2009/06/12<br>09:04 |
| S27 | 191 | NiO with target                                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | OS | 2009/06/12<br>10:21 |
| S28 | 125 | nickel oxide with target                           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON | 2009/06/12<br>10:22 |
| S29 | 196 | (S27 or S28) and sputter\$3                        | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON | 2009/06/12<br>10:22 |
| S30 | 52  | (\$27 or \$28) and sputter\$3 and powder           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON | 2009/06/12<br>10:22 |

| S31 | 23 | S29 and target with<br>(resistance or ohm<br>or resistivity) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/12<br>10:30 |
|-----|----|--|---|-----|----|---------------------|
| S32 | 30 | (\$27 or \$28) and sputter\$3 and target same powder         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/12<br>10:38 |
| S33 | 2  | "5320729".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/12<br>11:25 |

<sup>1/12/2010</sup> 1:12:01 PM C:\ Documents and Settings\ jbrayton\ My Documents\ EAST\ Workspaces\ 10502052\_RCE. wsp